

Title (en)
BRUSHLESS DC MOTOR.

Title (de)
BÜRSTENLOSER GLEICHSTROMMOTOR.

Title (fr)
MOTEUR A COURANT CONTINU SANS BALAIS.

Publication
EP 0613229 A4 19990428 (EN)

Application
EP 92922997 A 19921110

Priority
• JP 9201464 W 19921110
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• JP 21513792 A 19920812
• JP 29741191 A 19911113

Abstract (en)
[origin: EP0613229A1] A brushless DC motor, whose stator (10) is a combination of stator yokes (11, 16), a bobbin (14) on which a magnetic field coil (15) is wound and to which terminal pins are provided, and a base plate (20). The stator (10) is fixed to the base plate (20) by a protrusion (12c) provided on the bobbin (14) or by a flange (18a) formed on a bearing. The widths of magnetic poles (11a, 16a) of the stator, which are measured in the circumferential direction of the stator, are smaller than the width of one of the poles of a rotor magnet (5). Thereby, the position of a stable point is a maximum excitation torque position. Further, a magnetic pole sensing element (21) is provided at a place which is shifted in the circumferential direction from the middle position of one of the magnetic poles of the rotor magnet (5). <IMAGE>

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H02K 29/00

IPC 8 full level
H02K 1/14 (2006.01); **H02K 1/18** (2006.01); **H02K 1/27** (2006.01); **H02K 3/52** (2006.01); **H02K 21/22** (2006.01); **H02K 29/08** (2006.01); **H02K 5/22** (2006.01)

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Citation (search report)
• [A] EP 0299512 A2 19890118 - MINEBEA CO LTD [JP]
• [A] US 4899075 A 19900206 - HASEBE YOICHI [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 055 (E - 481) 20 February 1987 (1987-02-20)
• See references of WO 9310593A1

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